

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A mobile communication system which carries out multicast communication by a radio station and a plurality of mobile stations belonging to a specific multicast group, wherein

each of the plurality of mobile stations comprises a communication quality measurer configured to measure a communication quality of a signal transmitted from the radio station; and

the radio station comprises:

a communication quality acquirer configured to acquire the communication quality from each of the plurality of mobile stations belonging to the specific multicast group;

a transmission method changer configured to determine a number of transmission signal repetitions by the multicast communication, in accordance with the acquired communication quality; and

a transmitter configured to transmit the signal to the plurality of mobile stations using the determined number of transmission signal repetitions,

wherein the communication quality acquirer is configured to select the lowest communication quality from among the acquired communication qualities, and
the transmission method changer is configured to determine the number of transmission signal repetitions in accordance with the selected lowest communication quality.

2. (Currently Amended) A radio station for carrying out multicast communication with a plurality of mobile stations belonging to a specific multicast group, the radio station comprising:

a communication quality acquirer configured to acquire, from each of the plurality of mobile stations belonging to the specific multicast group, a communication quality of a signal transmitted from the radio station to each of the plurality of mobile stations;

a transmission method changer configured to determine a number of transmission signal repetitions by the multicast communication, in accordance with the acquired communication quality; and

a transmitter configured to transmit the signal to the plurality of mobile stations using the determined number of transmission signal repetitions,

wherein the communication quality acquirer is configured to select the lowest communication quality from among the acquired communication qualities, and the transmission method changer is configured to determine the number of transmission signal repetitions in accordance with the selected lowest communication quality.

3. (Canceled).

4. (Currently Amended) The radio station according to claim 2, wherein A radio station for carrying out multicast communication with a plurality of mobile stations belonging to a specific multicast group, the radio station comprising:

a communication quality acquirer configured to acquire, from each of the plurality of mobile stations belonging to the specific multicast group, a communication quality of a signal transmitted from the radio station to each of the plurality of mobile stations;

a transmission method changer configured to determine a number of transmission signal repetitions by the multicast communication, in accordance with the acquired communication quality; and

a transmitter configured to transmit the signal to the plurality of mobile stations using the determined number of transmission signal repetitions,

wherein the communication quality acquirer is configured to calculate an average value of the communication qualities acquired from the plurality of mobile stations[[]], and

the transmission method changer is configured to determine the number of transmission signal repetitions in accordance with a difference between the calculated average value and a preset reference value.

5. (Currently Amended) The radio station according to claim 2 or 4 further comprising:

a radio resource manager configured to manage radio resources of the radio station; and wherein

the transmission method changer determines the number of transmission signal repetitions in accordance with the acquired communication quality and the situation of a radio resource.

6. (Currently Amended) The radio station according to claim 2 or 4, wherein the communication quality includes at least one of a received power, a signal error rate, an interference signal level and a signal-to-interference ratio.

7. (Currently Amended) A mobile communication method for carrying out multicast communication by a radio station and a plurality of mobile stations belonging to a specific multicast group, the method comprises the steps of:

measuring a communication quality of a signal transmitted from the radio station, in each of the mobile stations;

acquiring the communication quality from each of the plurality of mobile stations belonging to the specific multicast group, in the radio station;

~~rate~~, determining a number of transmission signal repetitions by the multicast communication, in accordance with the acquired communication quality, in the radio station; and

transmitting the signal to the plurality of mobile stations using the determined number of transmission signal repetitions, in the radio station,

wherein, in the acquiring step, the lowest communication quality from among the acquired communication qualities is selected, and

in the determining step, the number of transmission signal repetitions in accordance with the selected lowest communication quality is determined.

8. (New): A mobile communication system which carries out multicast communication by a radio station and a plurality of mobile stations belonging to a specific multicast group, wherein

each of the plurality of mobile stations comprises a communication quality measurer configured to measure a communication quality of a signal transmitted from the radio station; and

the radio station comprises:

a communication quality acquirer configured to acquire the communication quality from each of the plurality of mobile stations belonging to the specific multicast group;

a transmission method changer configured to determine a number of transmission signal repetitions by the multicast communication, in accordance with the acquired communication quality; and

a transmitter configured to transmit the signal to the plurality of mobile stations using the determined number of transmission signal repetitions,

wherein the communication quality acquirer is configured to calculate an average value of the communication qualities acquired from the plurality of mobile stations, and

the transmission method changer is configured to determine the number of transmission signal repetitions in accordance with a difference between the calculated average value and a preset reference value.

9. (New): A mobile communication method for carrying out multicast communication by a radio station and a plurality of mobile stations belonging to a specific multicast group, the method comprises the steps of:

measuring a communication quality of a signal transmitted from the radio station, in each of the plurality of mobile stations;

acquiring the communication quality from each of the plurality of mobile stations belonging to the specific multicast group, in the radio station;

determining a number of transmission signal repetitions by the multicast communication, in accordance with the acquired communication quality, in the radio station; and

transmitting the signal to the plurality of mobile stations using the determined number of transmission signal repetitions, in the radio station;

wherein, in the acquiring step, an average value of the communication qualities acquired from the plurality of mobile stations is calculated; and

in the determining step, the number of transmission signal repetitions in accordance with a difference between the calculated average value and a preset reference value is determined.